

Docket No. AB-164U

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Claims 1 - 12 (canceled)**

**Claim 13 (currently amended):** A lead introduction system for introducing a stimulation lead into a patient's brain, the system comprising:

a stereotactic frame;

a first cannula dimensioned to be larger than a predetermined hole size in the patient's skull to prevent entry into the brain and which first cannula is held in a substantially fixed position by the stereotactic frame; and

a second cannula slidable within the first cannula and having a proximal end extending beyond the proximal end of the first cannula and a distal end extending beyond the distal end of the first cannula and into the body patient's brain,

wherein the second cannula is dimensioned to permit insertion through the predetermined hole size in the patient's skull;

wherein the second cannula is supported by the first cannula; ~~[[and]]~~

wherein the stimulation lead is insertable through the second cannula; and

wherein the second cannula includes a macroelectrode attached to the second cannula.

**Claim 14 (previously canceled)****Claim 15 (canceled):**

**Claim 16 (currently amended):** A method of introducing a brain stimulating lead into a patient's brain comprising:

holding a first cannula in a substantially fixed position completely external to the brain;

Docket No. AB-164U

slidably supporting a second cannula with the first cannula;  
positioning the second cannula with a proximal end extending beyond the  
proximal end of the first cannula and a distal end extending beyond the distal end of the first  
cannula and so that the second cannula extends at least partially into the patient's brain; [[and]]  
inserting the brain stimulating lead through the second cannula; and  
using the second cannula as a macroelectrode, wherein the macroelectrode is  
attached to the second cannula.

**Claim 17 (original):** The method of Claim 16 further comprising using a stereotactic frame to  
hold the first cannula in a substantially fixed position.

**Claim 18 - 22(canceled)**